

Workshop on New capabilities for Unmanned Aerial Systems (UAS)

AGENDA

MAY 11th 2010

08:30 Arrival & Registration

09:00 Welcome address

*by Magali Vaissiere, Director of Telecommunications and Integrated Applications,
European Space Agency.*

*and Patrick Rey, Assistant Director Armaments Co-operation,
European Defence Agency.*

09:20 Introduction to the workshop

09:30 Users needs and operational scenarios

a) Civil security application session

Chaired by Andreas Hirner, European Commission Joint Research Center.

Presentations:

- Using UAS in the Emergency Services Environment.
by Pat Mika and Andy Cashmore, West Midlands Fire Service
- UAS for border surveillance
by Zdravko Kolev, FRONTEX
- UAS for maritime activity monitoring
by Olaf Trieschmann, European Maritime Safety Agency

Group discussion

b) Environmental monitoring and asset inspection

Chaired by Joseph Barnard, Barnard Microsystems Limited

Presentations:

- The potential for UAS in agricultural, environmental and forestry monitoring
by Alan Gay, Aberystwyth University
- Road surface monitoring and traffic information
by Richard Sysala, evolving systems consulting
- UAS for pipeline inspection and gas / mineral exploration
by Joseph Barnard, Barnard Microsystems Limited

Group discussion

11:00 Coffee break

11:30 Plenary sharing of group outputs and open discussion

*Chaired by Andreas Hirner, European Commission Joint Research Center
and Joseph Barnard, Barnard Microsystems Limited*

12:30 Lunch

- 14:00 **ESA – EDA vision and activities**
*by Jens Fehler, European Defence Agency
and Stefan Gustafsson, European Space Agency*
- 14:20 **Recapitulation of user needs**
by Stefan Gustafsson, European Space Agency
- 14:40 **Presentation of the ESA feasibility study**
by the SINUE consortium led by Indra
- 15:05 **Coffee Break**
- 15:25 **Presentation of the EDA feasibility study**
by the IDEAS consortium led by EADS Astrium
- 15:50 **Recommendations for mission selection criteria**
by the SINUE and IDEAS consortia
- 16:10 **Discussion on the missions to be selected for demonstration**
- 17:00 **Cocktail** in ESTEC

MAY 12th 2010

- 08:30 **Arrival & Registration**
- 09:00 **Preliminary discussions on shaping the demonstration projects**
- 10:15 **Coffee Break**
- 10:45 **Continuation of previous discussion**
- 11:30 **Summary and conclusions**
- 12:00 **End of the workshop**